

1. (Amended) A method of embedding a watermark in an information signal, comprising the steps [of]:

[-] analyzing a given property of the information signal and determining an actual value of said property;

5 [-] associating different watermarks with distinct values of said property; and

[-] selecting the watermark associated with said actual value for embedding in the information signal.

2. (Amended) [A] The method as claimed in claim 1, in which the information signal is a sequence of video images, and said analyzing step [comprising] comprises:

5 analyzing a spatial or temporal distribution of luminance values, each distinct distribution of luminance values constituting a value of said property of the information signal.

3. (Amended) [A] The method as claimed in claim 1, in which the information signal is a sequence of audio signal segments, and said analyzing step [comprising] comprises:

5 analyzing a shape of the frequency spectrum of said audio segments, each distinct shape of the frequency spectrum constituting a value of said property of the information signal.

4. (Amended) [A] The method as claimed in claim 1, in which the embedded watermark is a combination of two or more basic watermark patterns constituting a set of basic watermark patterns being selected from different sets in dependence upon the actual value of the property of the information signal.

5. (Amended) A method of detecting a watermark in an information signal, comprising the steps [of]:

- [-] analyzing a given property of the information signal and determining an actual value of said property;
- [-] associating different watermarks with distinct values of said property; and
- [-] selecting and detecting the watermark associated with said actual value.

6. (Amended) [A] The method as claimed in claim 5, in which the information signal is a sequence of video images, and said analyzing step [comprising] comprises:

analyzing a spatial or temporal distribution of luminance values, each distinct distribution of luminance values constituting a value of said property of the information signal.

7. (Amended) The method as claimed in claim 5, in which the information signal is a sequence of audio signal segments, and the method [comprising] further comprises the [steps of] step:

5 calculating the frequency spectrum for each segment, each distinct shape of said frequency spectrum constituting a value of said property of the information signal.

8. (Amended) The method as claimed in claim 5, in which the embedded watermark is a combination of two or more basic watermark patterns constituting a set of basic watermark patterns being selected from different sets in dependence upon the actual value of 5 the property of the information signal.

9. (Amended) A watermark embedder for embedding a watermark in an information signal, comprising:

5 [-] means [(12)] for analyzing a given property [(P)] of the information signal and determining an actual value of said property;

[-] means [(14)] for associating different watermarks with distinct values of said property; and

[-] means [(13)] for selecting the watermark associated with said actual value for embedding [(11)] in the information signal.

10. (Amended) A watermark detector for detecting a watermark in an information signal, comprising:

[-] means [(22)] for analyzing a given property of the information signal and determining an actual value of said property;

[-] means [(24)] for associating different watermarks with distinct values of said property; and

[-] means for selecting [(23)] and detecting [(21)] the watermark associated with said actual value.

11. (Amended) [A] The watermark embedder as claimed in claim 9, wherein said watermark embedder further [including] comprises:

a watermark detector [as claimed in claim 10,] for detecting a watermark in an information signal, comprising:

means for analyzing a given property of the information signal and determining an actual value of said property;

means for associating different watermarks with distinct values of said property; and

means for selecting and detecting the watermark associated with said actual value; and [comprising]

means [(15)] for refraining from embedding the selected watermark in response to said watermark detector detecting said selected watermark in the information signal.